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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	NO. CONFIRMATION NO.	
10/712,455	10/712,455 11/12/2003		Binghua Hu	TI-35362	9290	
23494	7590	03/21/2006		EXAMINER		
TEXAS INS	TRUM	ENTS INCORPOR	SCHILLINGER, LAURA M			
P O BOX 655	,		ART UNIT	PAPER NUMBER		
DALLAS, T	X /3203)	2012			

DATE MAILED: 03/21/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/712,455	HU ET AL.				
Office Action Summary	Examiner	Art Unit				
	Laura M. Schillinger	2813				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.1: after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period v - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONET	l. ely filed the mailing date of this communication. 0 (35 U.S.C. § 133).				
Status						
1)⊠ Responsive to communication(s) filed on 14 N	<u>ovember 2005</u> .					
2a) This action is FINAL . 2b) This	This action is FINAL. 2b) This action is non-final.					
3) Since this application is in condition for allowar	nce except for formal matters, pro	secution as to the merits is				
closed in accordance with the practice under E	3 O.G. 213.					
Disposition of Claims						
 4) Claim(s) 8-14 is/are pending in the application. 4a) Of the above claim(s) 15-26 is/are withdraw 5) Claim(s) 8-14 is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/o 	vn from consideration.					
Application Papers						
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	epted or b) objected to by the Education of the Education of the Idea of the I	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:					

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DETAILED ACTION

Election/Restrictions

Newly submitted claims 15-26 are directed to an invention that is independent or distinct from the invention originally claimed for the following reasons: claims 15-26 are drawn to an independent and distinct invention from that of originally elected claims.

Since applicant has received an action on the merits for the originally presented invention, this invention has been constructively elected by original presentation for prosecution on the merits. Accordingly, claims 15-26 are withdrawn from consideration as being directed to a non-elected invention. See 37 CFR 1.142(b) and MPEP § 821.03.

Allowable Subject Matter

Claims 8-14 are allowed.

The following is an examiner's statement of reasons for allowance:

Applicant's arguments with regard to the Hause reference are deemed persuasive. Upon further search other pieces of prior art were found relevant to Applicant's claims.

In reference to claim 8, Sasaki (US 2003/0040159) teaches a method for forming a LDMOS transistor, comprising:

forming a deep n-well region in a substrate (Fig.1A (103)));

forming a patterned photoresist layer over said deep n-well region wherein said patterned

photoresist layer comprises at least one opening (Fig. 1B (104));

implanting an arsenic species into said deep n-well through said opening (Fig. 1B (105));

implanting an boron species into said deep n-well through said opening (Fig.1C (106);

forming LOCOS region and isolation structures in said deep n-well (Fig.1A (102));

forming a gate dielectric layer on said deep n-well region (Fig.1D (107)).

However Sasaki fails to teach forming an epitaxial layer in the substrate and forming the deep n-well in the epitaxial layer as claimed. Furthermore, Sasaki fails to teach baking the photoresist as claimed. Lastly, Sasaki fails to teach implanting an arsenic species prior to implanting boron species as claimed.

Blanchard (5869371) also teaches a similar method which includes forming an epitaxial layer, however fails to specify that the implantation step be carried out through the same opening.

Even in combination, prior art fails to teach nor suggest the combination of the elements of claim 8 with baking the photoresist. Therefore, claim 8 is deemed to contain allowable subject matter. Claims 9-14 depend from claim 8 and act only to further narrow the allowable subject matter and are therefore also deemed to be allowable over prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

This application is in condition for allowance except for the following formal matters:

Claims 15-26 must be canceled.

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Prosecution on the merits is closed in accordance with the practice under *Ex parte*Ouayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Laura M. Schillinger whose telephone number is (571) 272-1697. The examiner can normally be reached on M-T, R-F 7:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl W. Whitehead, Jr. can be reached on (571) 272-1702. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

03/16/06

Laura M Schillinger Primary Examiner Art Unit 2813